

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A co-fired, multi-layer laminate ceramic structure comprising:

a plurality of stacked co-fired layers of ceramic material including metallization in predetermined patterns on and through said layers;

said stacked layers including a plurality of exposed electrical conductors including leads thereon at predetermined locations to which leads are to be bonded;

said conductors being of a metal which includes one or more additives to promote adhesion to said ceramic layer on which said conductors are deposited;

a bonding metal layer applied to on top of said conductors at said predetermined locations of said leads and being of said same metal as said conductors, however devoid of said one or more additives so as to enhance bondability of the leads thereto;

wherein the leads are bonded to said bonding metal layer at said predetermined locations; and

wherein the bonding layer is applied to the conductors prior to a co-firing of said layers of ceramic material and then co-fired along with said layers of ceramic material or the bonding layer is applied to the conductors and post fired after an initial co-firing of said layers of ceramic material.

said leads being bonded to said bonding metal layer.

2. (currently amended) The co-fired, multi-layer laminate ceramic structure according to claim 1 wherein:

said bonding metal layer is applied to deposited on a limited area of a
said conductors only at said predetermined locations where said leads are lead
is to be bonded.

3. (previously presented) The co-fired, multi-layer laminate ceramic structure according to claim 1 wherein:

said conductors are of a gold paste with said additives;

said bonding metal layer is of a pure gold paste devoid of said additives.

4. (previously presented) The co-fired, multi-layer laminate ceramic structure according to claim 1 wherein:

predetermined ones of said layers include respective cavities;

predetermined ones of said conductors being located on at least one said layer below the top layer of said stacked layers;

said predetermined ones of said conductors being accessible through said cavities for bonding of said leads.

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (previously presented) The co-fired, multi-layer laminate ceramic structure according to Claim 1 wherein the structure is a low temperature co-fired ceramic (LTCC) structure.